

#4
CFR

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

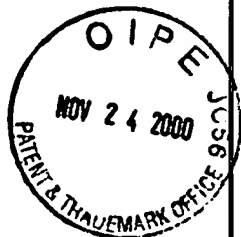
In re Application for:

Xiao-Chun Mu, et al.

Application No.: 09/661,899

Filed: September 14, 2000

For: PROCESS FOR FORMING A
DIRECT BUILD-UP LAYER ON AN
ENCAPSULATED DIE PACKAGE
AND INTERMEDIATE STRUCTURES
FORMED THEREWITH



Examiner: Not Assigned

Art Group: 2811

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed Box Missing Parts, Commissioner for Patents, Washington, DC 20231 on:

Date of Deposit: November 20, 2000

Name of Person Mailing: Deborah L. Higham

Signature: Deborah L. Higham Date: 11/20/00

Box Missing Parts

Assistant Commissioner for Patents
Washington, DC 20231

REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir:

Enclosed is a copy of the official Filing Receipt for the above-referenced patent application with errors noted thereon in red.

The following inventor's name is spelled incorrectly:

Listed as: Chun Mu

Should be: Xiao-Chun Mu

PLEASE GENERATE ANOTHER FILING RECEIPT INCORPORATING THE REQUESTED CORRECTIONS.

THANK YOU.

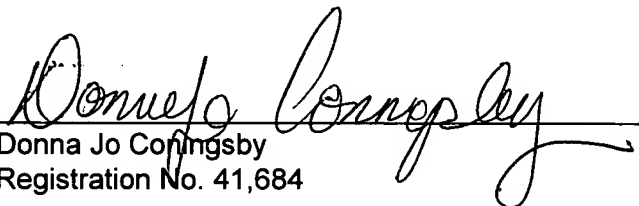
Attorney's Docket No.: 42390.P9557

If any additional fee is required, please charge Deposit Account No. 02-2666. A Fee Transmittal is enclosed in duplicate for deposit account charging purposes.

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP

Date: 11-20-2000


Donna Jo Coningsby
Registration No. 41,684

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025
(503) 684-6200



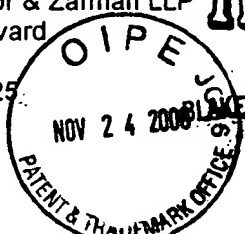
UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO. | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|------------------|----------|------------|------------|
| 09/661,899 | 09/14/2000 | 2811 | 924 | 042390-P9557 | 22 | 33 | 3 |

EHT
RGW

Blakely Sokoloff Taylor & Zafman LLP
12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025



RECEIVED
NOV 13 2000

FILING RECEIPT



BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
LOS ANGELES

Date Mailed: 11/07/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

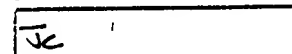
XIAO-CHUN MU - ~~Chun Mu~~, Saratoga, CA ;
Qing Ma, San Jose, CA ;
Quat Vu, Santa Clara, CA ;
Steven Towle, Residence Not Provided;

RECEIVED

NOV 14 2000

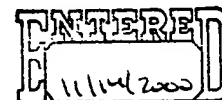
Continuing Data as Claimed by Applicant

B.S.T.Z. DATABASE DEPT.



Foreign Applications

If Required, Foreign Filing License Granted 11/06/2000

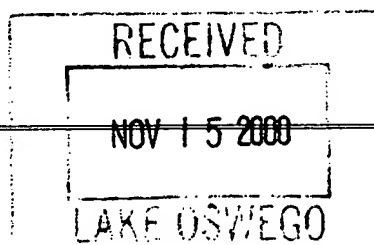


Title

Process for forming a direct build-up layer on an encapsulated die package and intermediate structures formed therewith

Preliminary Class

257

**ENTERED**

NOV 10 2000

STATUS DB-LA

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
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Washington, DC 20231

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PTO/SB/21 (12/97)

Approved for use through 9/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| | | |
|---|------------------------|--------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application No. | 09/661,899 |
| | Filing Date | September 14, 2000 |
| | First Named Inventor | Xiao-Chun Mu |
| | Group Art Unit | 2811 |
| | Examiner Name | Not Assigned |
| Total Number of Pages in This Submission | Attorney Docket Number | 042390.P9557 |

ENCLOSURES (check all that apply)

| | | |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> - Dec/POA signed - Check for \$130.00 - PTO Form 1533 - Request for Correction - Copy of Filing Receipt </div> |
| Remarks Enclosed: Return Receipt Postcard | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|---|
| Firm or Individual name | Donna Jo Coningsby, Reg. No. 41,684 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature | <i>Donna Jo Coningsby</i> |
| Date | November 20, 2000 |

CERTIFICATE OF MAILING/TRANSMISSION

| | | | |
|--|--------------------------|------|-------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on: | | | |
| November 20, 2000 | | | |
| Typed or printed name | Deborah L. Higham | | |
| Signature | <i>Deborah L. Higham</i> | Date | November 20, 2000 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

lease type a plus sign (+) inside this box → +

PTO/SB/17 (12/99)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision

Complete if Known

Application No. 09/661,899
Filing Date September 14, 2000
First Named Inventor Xiao-Chun Mu
Examiner Name Not Assigned
Group/Art Unit 2811
Attorney Docket Number 042390.P9557

TOTAL AMOUNT OF PAYMENT

(\$)

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

- ☒ Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

- ☐ Applicant claims small entity status. See 37 CFR 1.27.

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Code | Fee (\$) | Code | Fee (\$) | | |
| 101 | 710 | 201 | 355 | Utility filing fee | |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |

SUBTOTAL (1)

(\$)

2. EXTRA CLAIM FEES

| Total Claims | | Extra Claims | | Fee from below | Fee Paid |
|--------------|----------|--------------|----------|----------------|----------|
| Independent | Multiple | Independent | Multiple | | |
| 1 | 1 | 1 | 1 | | |

**or number previously paid, if greater, For Reissues, see below

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Code | Fee (\$) | Code | Fee (\$) | | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 | |
| 104 | 260 | 204 | 135 | Multiple Dependent claim, if not paid | |
| 109 | 80 | 209 | 40 | **Reissue independent claims over original patent | |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2)

(\$)

FEE CALCULATION (continued)

3. ADDITIONAL FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Code | Fee (\$) | Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | 130.00 |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for response within first month | |
| 116 | 390 | 216 | 195 | Extension for response within second month | |
| 117 | 890 | 217 | 445 | Extension for response within third month | |
| 118 | 1,390 | 218 | 695 | Extension for response within fourth month | |
| 128 | 1,890 | 228 | 945 | Extension for response within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design issue fee | |
| 144 | 600 | 244 | 300 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 130 | 123 | 130 | Petitions related to provisional applications | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 179 | 710 | 126 | 355 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

130.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Donna Jo Coningsby
Registration No. (Attorney/Agent) 41,684
Telephone (503) 684-6200
Signature *Donna Jo Coningsby*
Date 11/20/00

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

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